WHAT IS CLAIMED IS:

1. An image display apparatus comprising:

a first substrate having an image display surface;

a second substrate arranged opposite to the first substrate with a gap therebetween, and provided with a plurality of electron sources which excite the image display surface;

a grid provided between the first and second substrates, and having a first surface opposing the first substrate, a second surface opposing the second substrate and a plurality of beam passage apertures respectively opposing the electron sources;

a plurality of first spacers which are columnar, protrude from the first surface of the grid and abut against the first substrate; and

a plurality of second spacers which are columnar, protrude from the second surface of the grid and abut against the second substrate,

the first spacers having a height lower than that of the second spacers.

2. The image display apparatus according to claim 1, wherein the first spacers abut against the first substrate via a height buffer layer having a lower resistance than that of the first spacers.

3. The image display apparatus according to claim 1, wherein the second spacers have a lower surface resistance than a surface resistance of the

first spacers.

4. The image display apparatus according to claim 1, wherein the first spacers protrude on the first surface of the grid between the beam passage apertures, and the second spacers protrude on the second surface of the grid between the beam passage apertures in alignment with the first spacers.

5. The image display apparatus according to claim 1, wherein the surfaces of the grid and inner surfaces of the beam passage apertures are high-resistance surface treated.

6. An image display apparatus comprising:

a first substrate having an image display surface;

a second substrate arranged opposite to the first substrate with a gap therebetween, and provided with a plurality of electron sources which excite the image display surface;

a grid provided between the first and second substrates, and having a first surface opposing the first substrate, a second surface opposing the second substrate and a plurality of beam passage apertures respectively opposing the electron sources;

a plurality of first spacers which are columnar, protrude from the first surface of the grid and abut against the first substrate; and

a plurality of second spacers which are columnar, protrude from the second surface of the grid and abut

against the second substrate,

each of the first spacers abutting against the first substrate via a height buffer layer having a lower resistance than that of the first spacers.

7. The image display apparatus according to claim 6, wherein the second spacers have a lower surface resistance than a surface resistance of the first spacers.

8. The image display apparatus according to claim 7, wherein the first spacers protrude on the first surface of the grid between the beam passage apertures, and the second spacers protrude on the second surface of the grid between the beam passage apertures in alignment with the first spacers.

9. The image display apparatus according to claim 6, wherein the surfaces of the grid and an inner surface of each aperture are high-resistance surface treated.